6. Schematic Diagrams

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Note

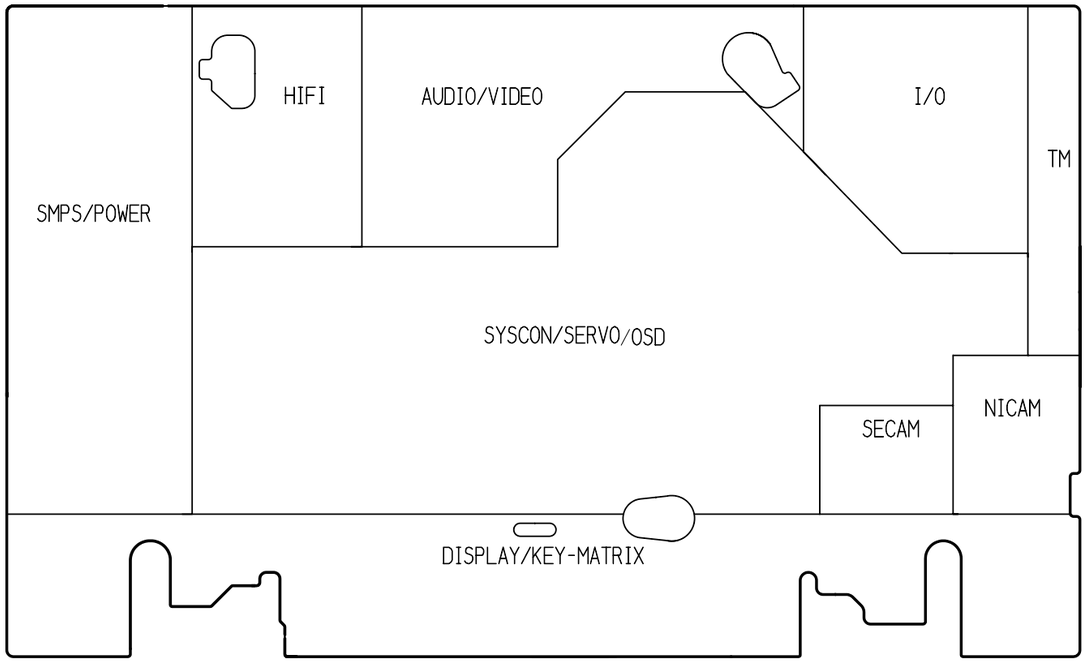
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

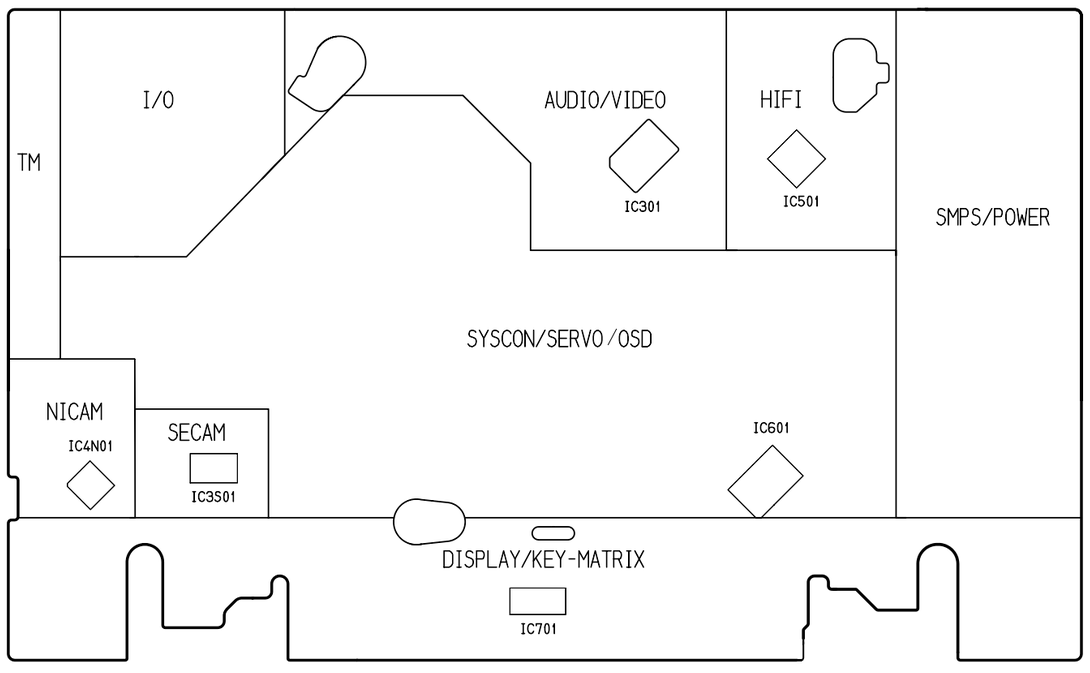
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

◆ Block Identification of Main PCB

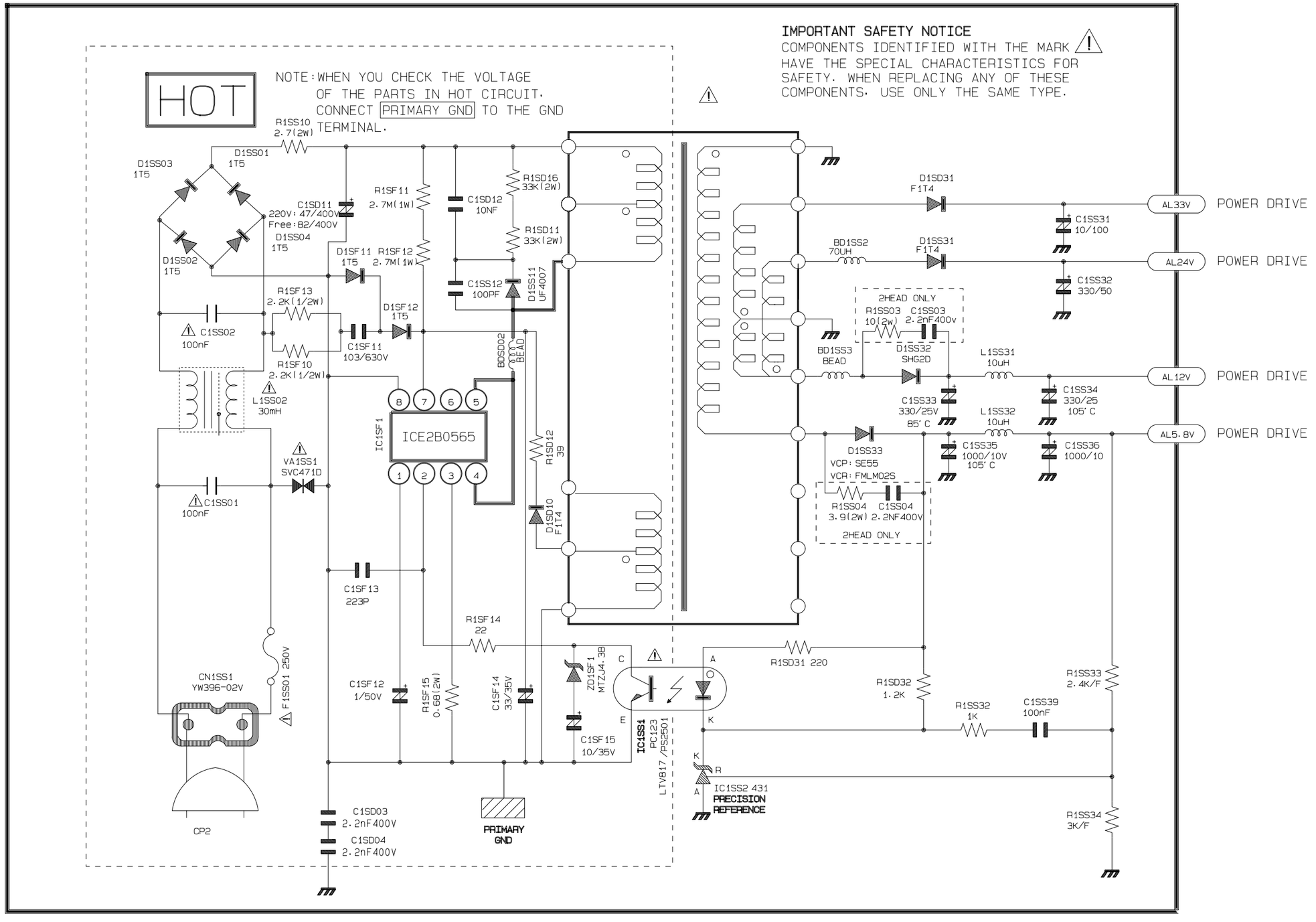


Component Side

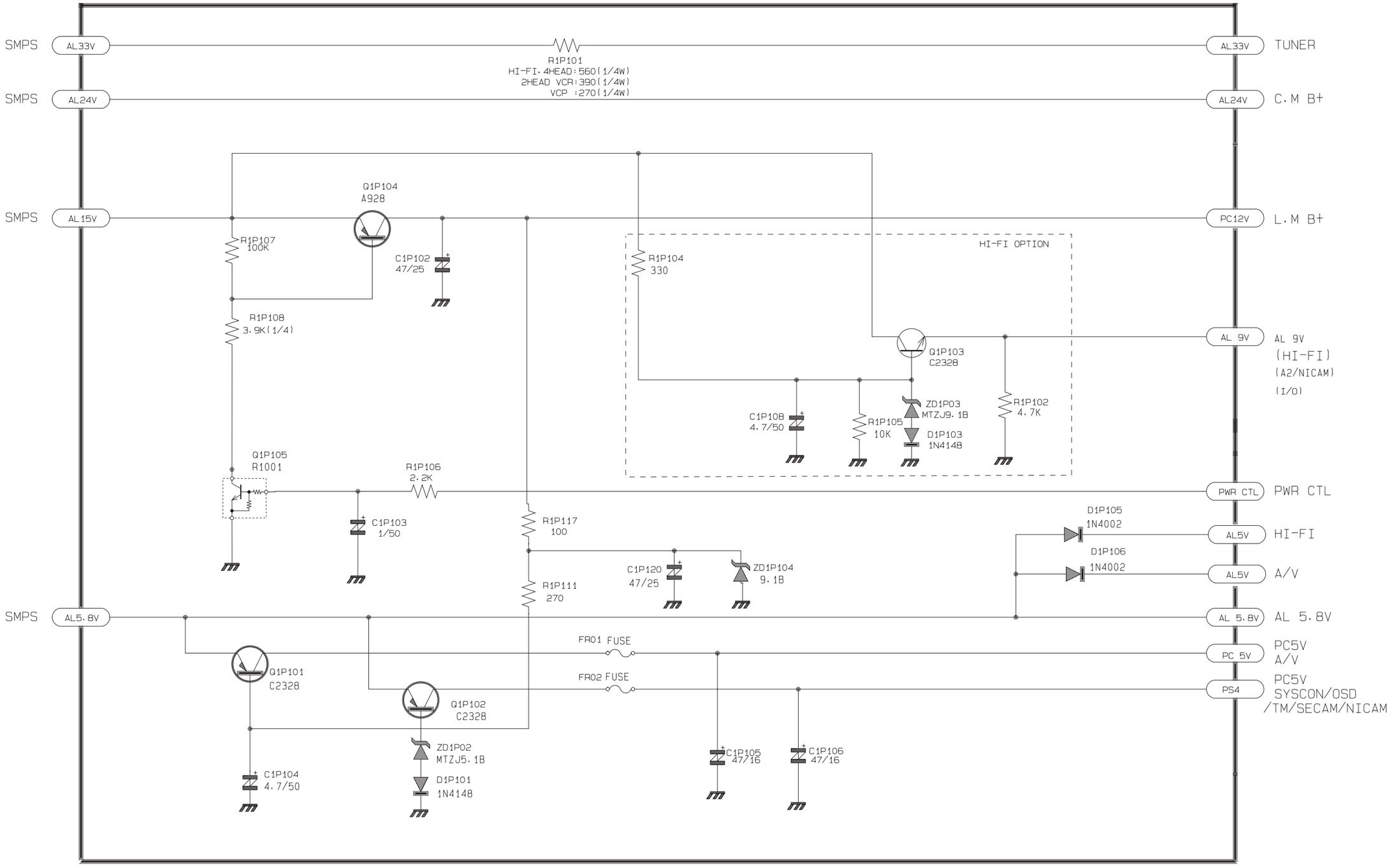


Conductor Side

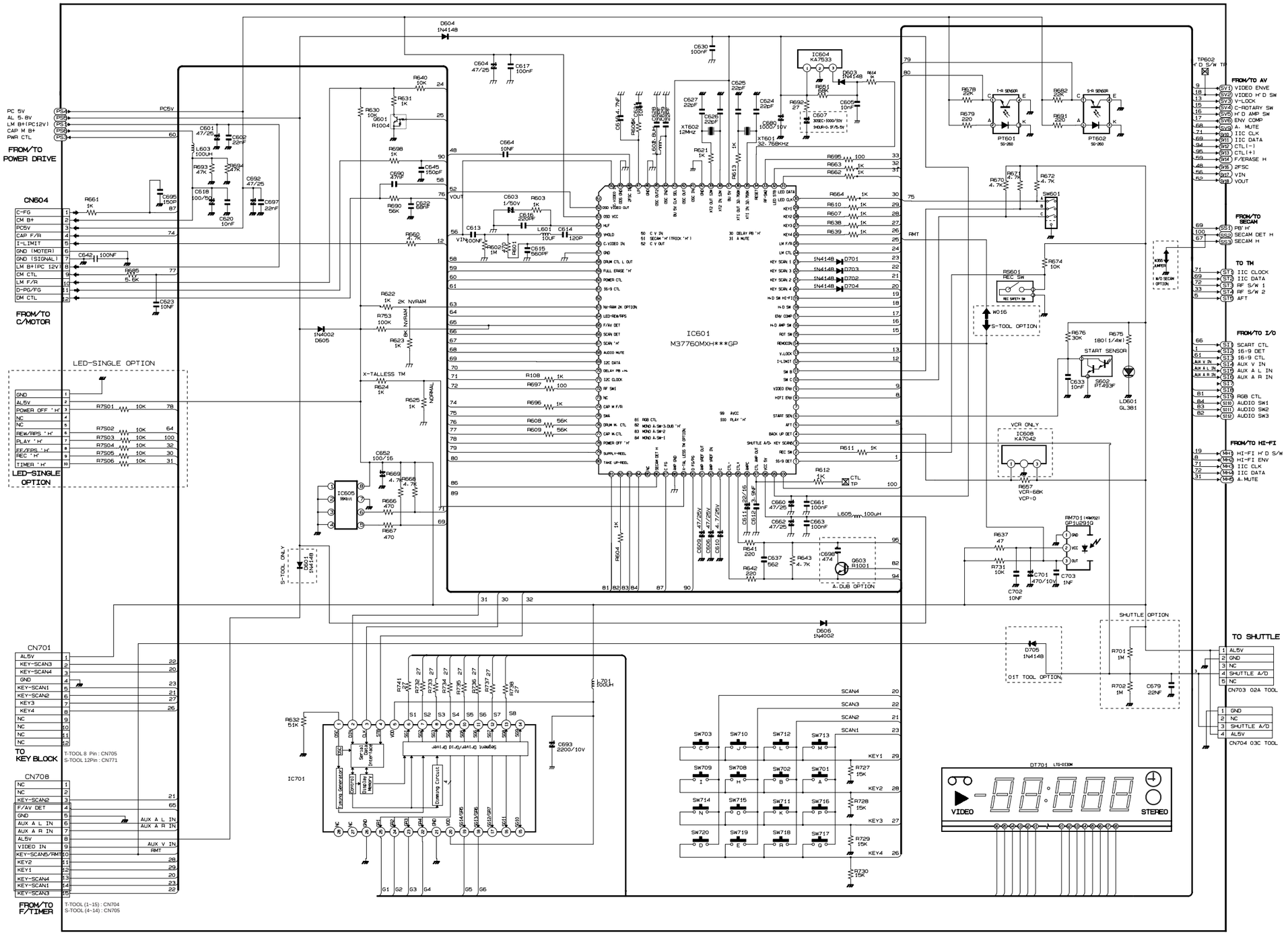
6-1 S.M.P.S.


HOT
NOTE: WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
R1SS10 2.7(2W)
D1SS01 1T5
D1SS03 1T5
D1SS02 1T5
D1SS04 1T5
C1SD11 220V: 47/400V Free: 82/400V
R1SF11 2.7M(1W)
D1SF11 1T5
R1SF12 2.7M(1W)
C1SD12 10NF
R1SD16 33K(2W)
R1SD11 33K(2W)
C1SS12 100PF
D1SS11 UF4007
R1SF13 2.2K(1/2W)
D1SF12 1T5
C1SS02 100nF
C1SF11 103/630V
R1SF10 2.2K(1/2W)
L1SS02 30mH
BDSD02 BEAD
IC1SF1
ICE2B0565
R1SD12 39
D1SD10 F1T4
VA1SS1 SVC471D
C1SS01 100nF
C1SF13 223P
R1SF14 22
CN1SS1 YW396-02V
F1SS01 250V
CP2
C1SF12 1/50V
R1SF15 0.68(2W)
C1SF14 33/35V
ZD1SF1 MTZJ4.3B
C1SF15 10/35V
IC1SS1 PC123 LTV817 /PS2501
C1SD03 2.2nF400V
C1SD04 2.2nF400V
PRIMARY GND
D1SD31 F1T4
BD1SS2 70UH
D1SS31 F1T4
2HEAD ONLY
R1SS03 10(2W)
C1SS03 2.2nF400V
BD1SS3 BEAD
D1SS32 SHG2D
C1SS31 10/100
C1SS32 330/50
L1SS31 10uH
C1SS33 330/25V 85' C
L1SS32 10uH
C1SS34 330/25 105' C
D1SS33 VCP: SE55 VCR: FMLM02S
C1SS35 1000/10V 105' C
C1SS36 1000/10
R1SS04 3.9(2W)
C1SS04 2.2NF400V
2HEAD ONLY
AL33V POWER DRIVE
AL24V POWER DRIVE
AL12V POWER DRIVE
AL5.8V POWER DRIVE
R1SD31 220
R1SD32 1.2K
R1SS32 1K
C1SS39 100nF
R1SS33 2.4K/F
R1SS34 3K/F
IC1SS2 431 PRECISION REFERENCE

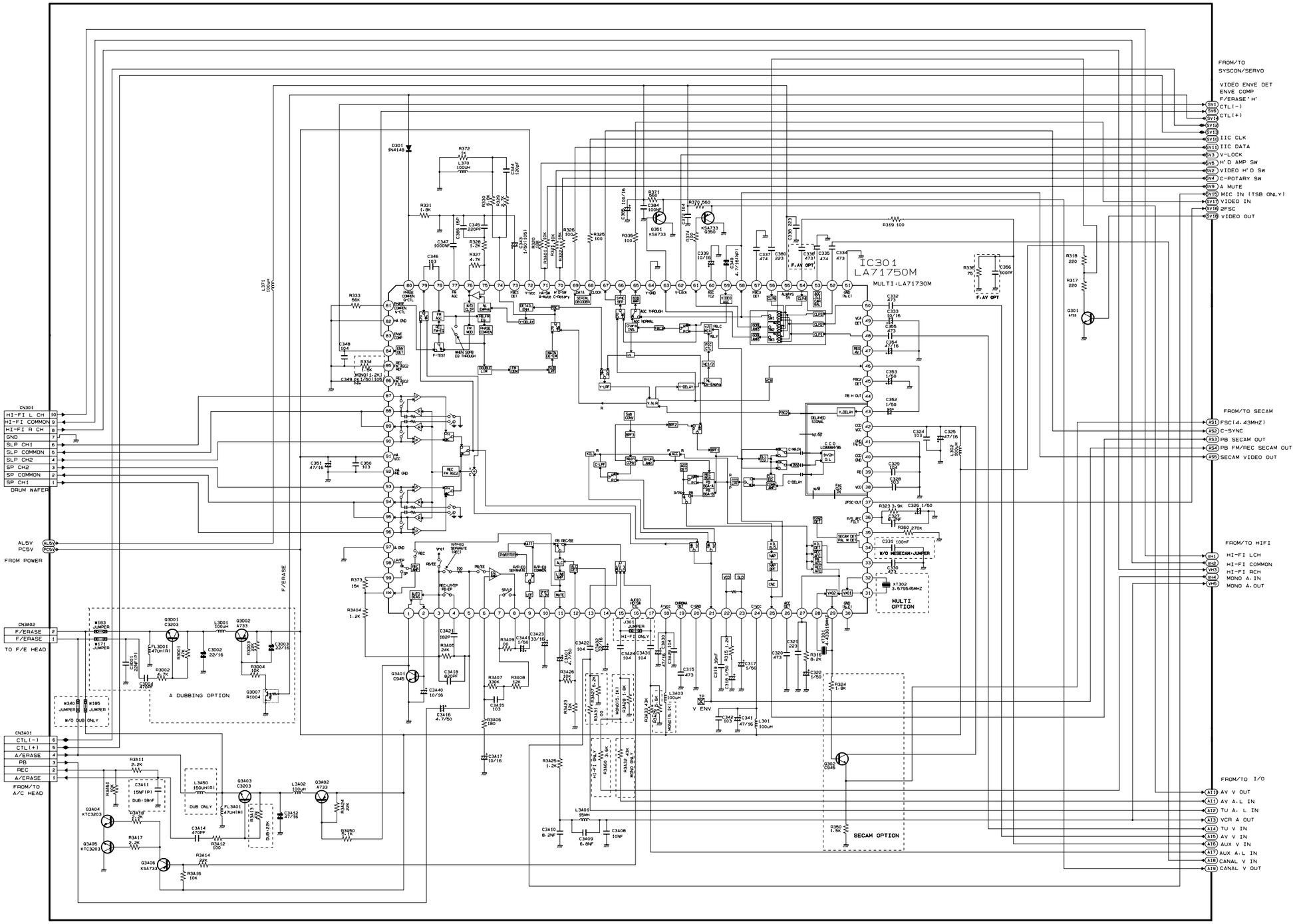
6-2 Power Drive



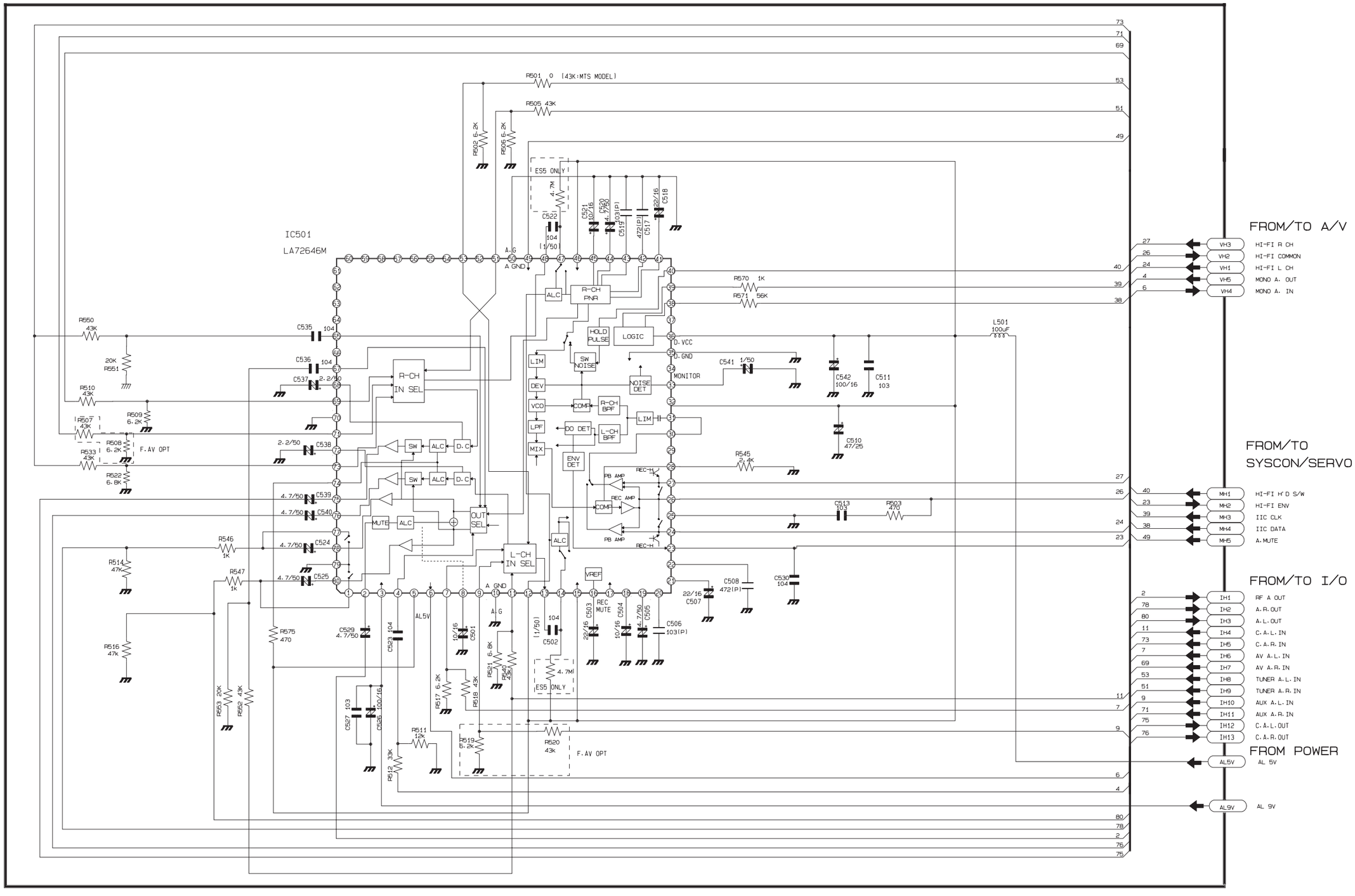
6-3 System Control/Servo/Display



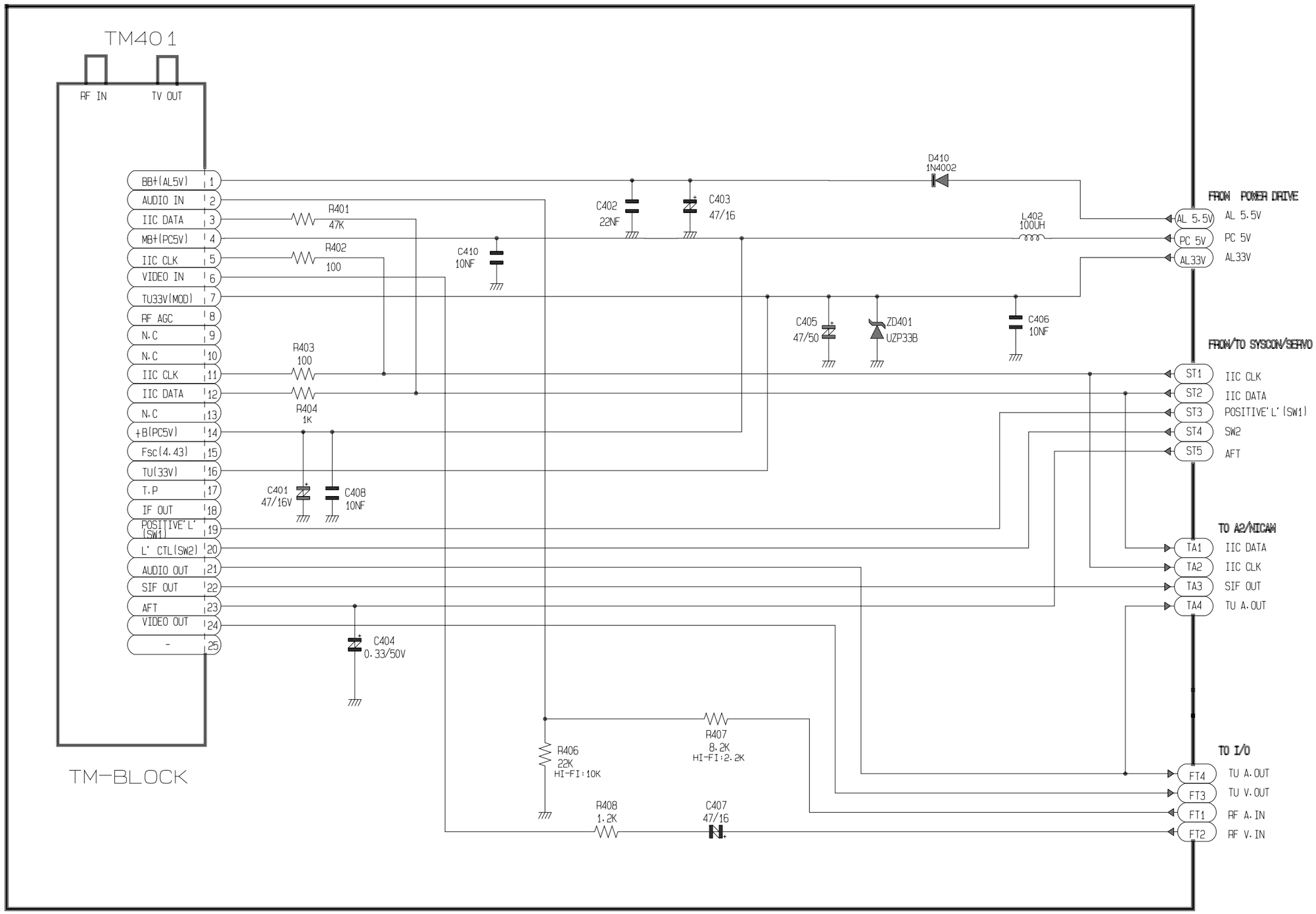
6-4 Audio/Video



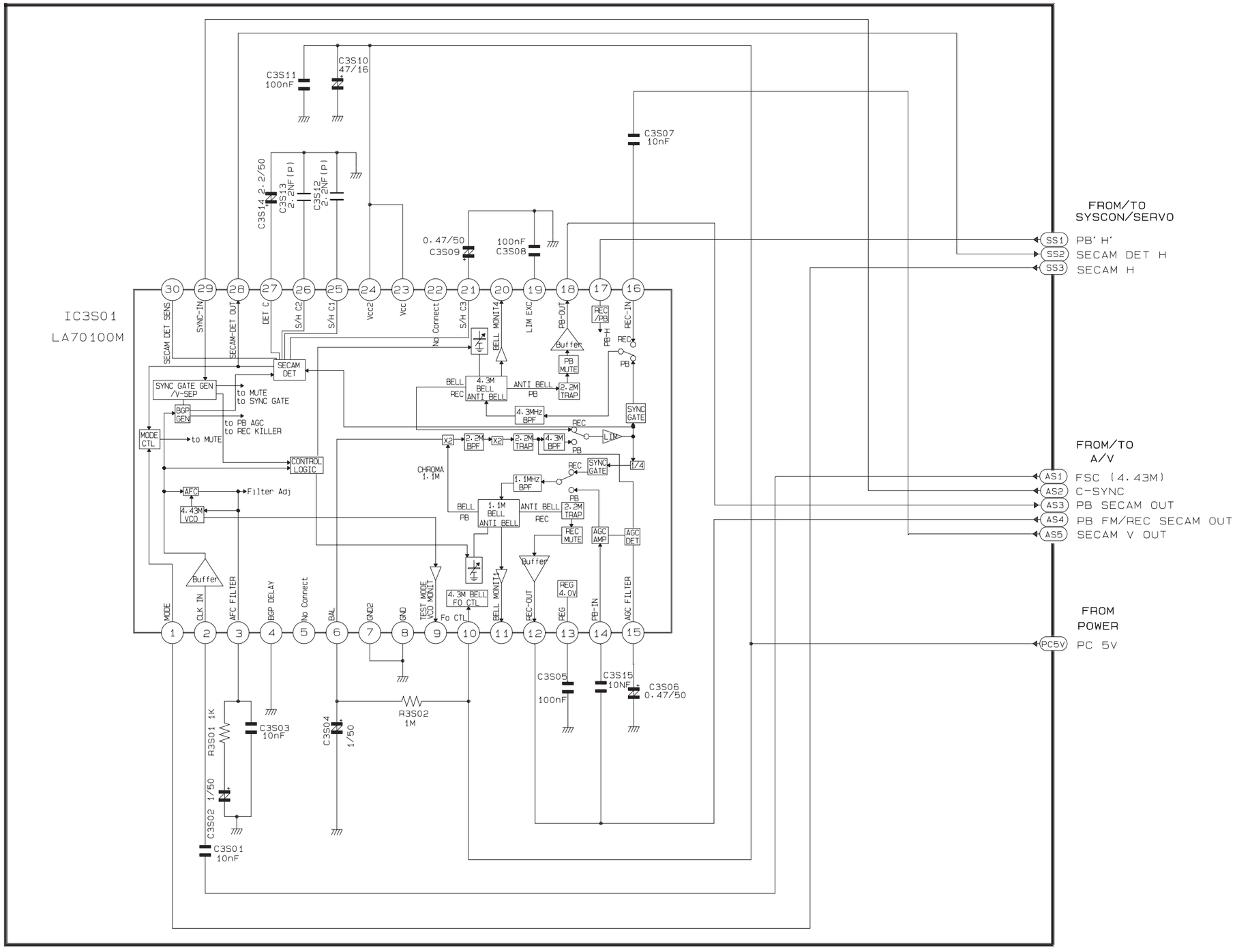
6-5 Hi-Fi (Option)



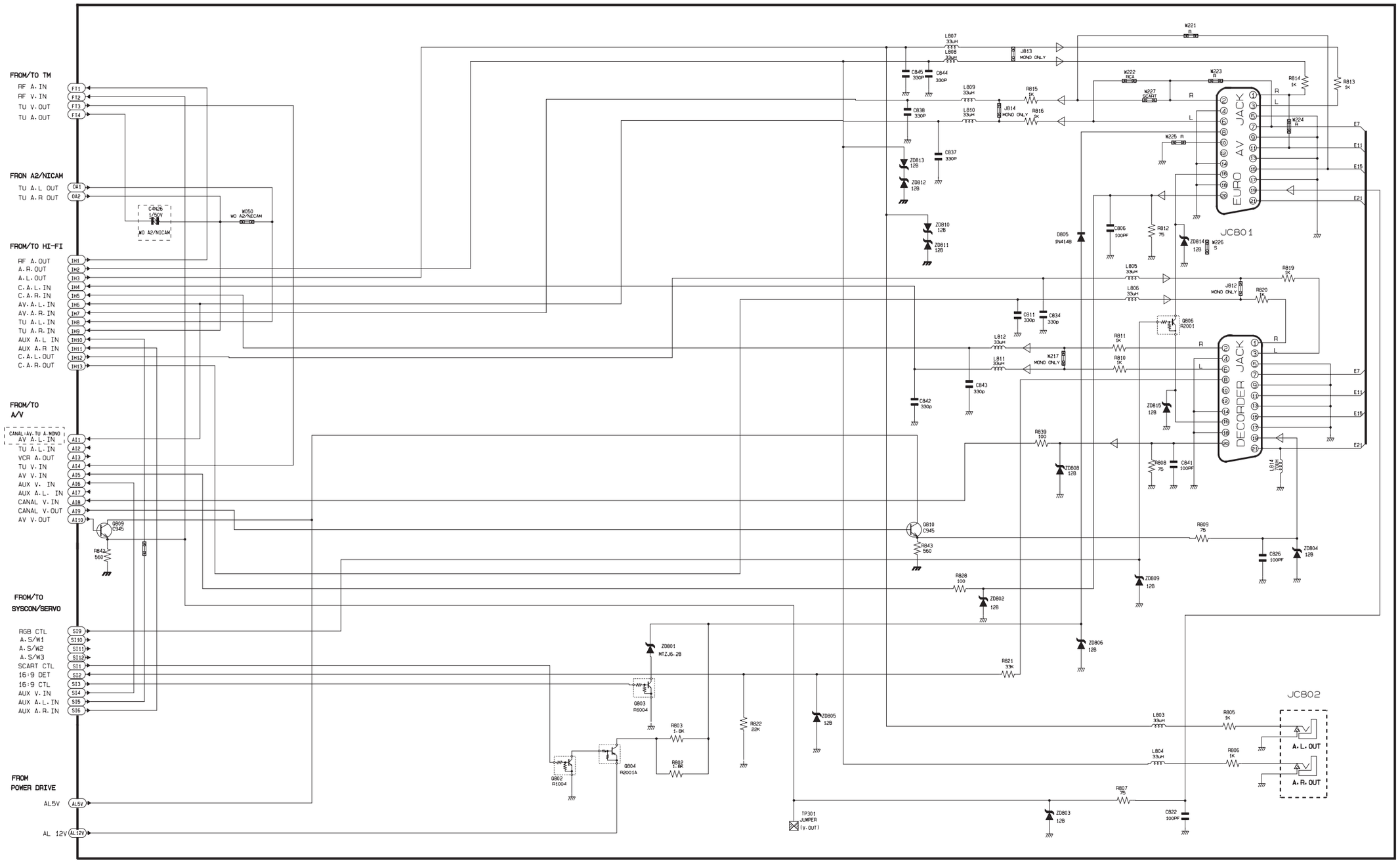
6-6 TM


TM401
RF IN
TV OUT
BB+(AL5V) 1
AUDIO IN 2
IIC DATA 3
MB+(PC5V) 4
IIC CLK 5
VIDEO IN 6
TU33V(MOD) 7
RF AGC 8
N.C 9
N.C 10
IIC CLK 11
IIC DATA 12
N.C 13
+B(PC5V) 14
Fsc(4.43) 15
TU(33V) 16
T.P 17
IF OUT 18
POSITIVE'L' (SW1) 19
L' CTL(SW2) 20
AUDIO OUT 21
SIF OUT 22
AFT 23
VIDEO OUT 24
- 25
R401 47K
R402 100
R403 100
R404 1K
C401 47/16V
C408 10NF
C410 10NF
C402 22NF
C403 47/16
C404 0.33/50V
D410 1N4002
L402 100UH
C405 47/50
ZD401 UZP33B
C406 10NF
R406 22K HI-FI:10K
R407 8.2K HI-FI:2.2K
R408 1.2K
C407 47/16
TM-BLOCK
FROM POWER DRIVE
AL 5.5V
PC 5V
AL33V
FROM/TO SYSCON/SERVO
ST1 IIC CLK
ST2 IIC DATA
ST3 POSITIVE'L'(SW1)
ST4 SW2
ST5 AFT
TO A2/NICAM
TA1 IIC DATA
TA2 IIC CLK
TA3 SIF OUT
TA4 TU A.OUT
TO I/O
FT4 TU A.OUT
FT3 TU V.OUT
FT1 RF A.IN
FT2 RF V.IN

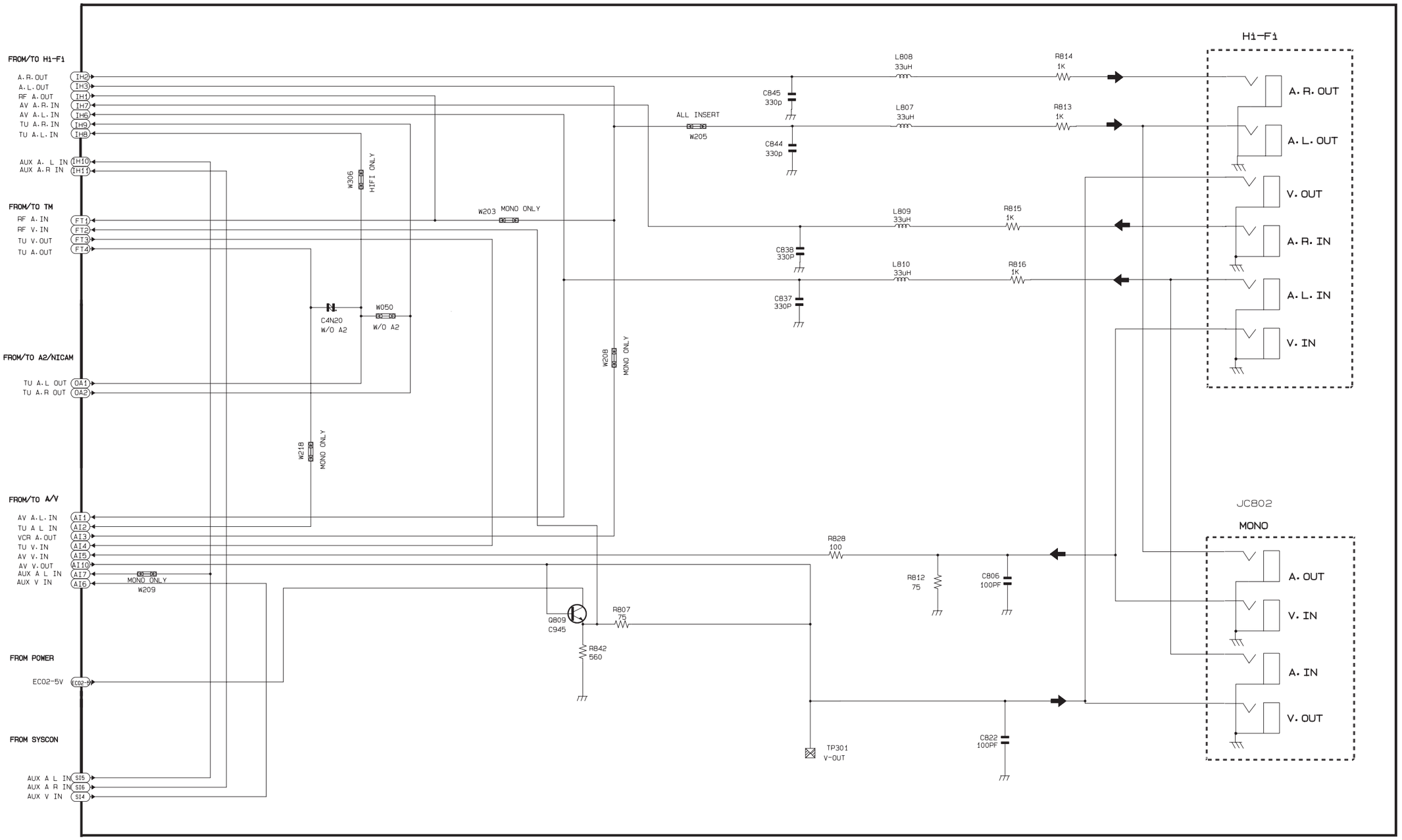
6-7 SECAM (SVR-760/760B/760W/669 Only)



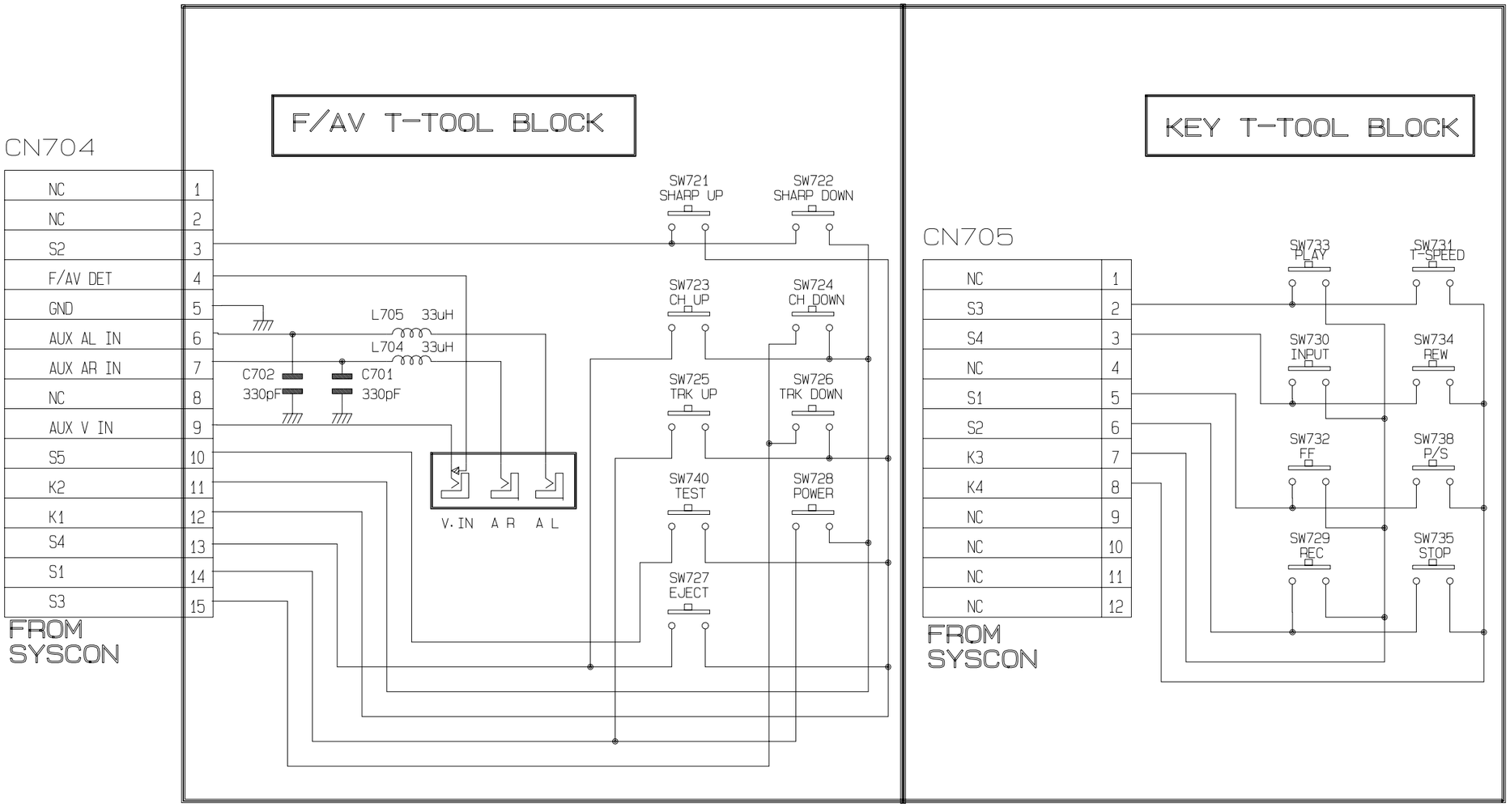
6-8 Input-Output (2 Scart Jack); SVR-760/760B/760W/669 Only



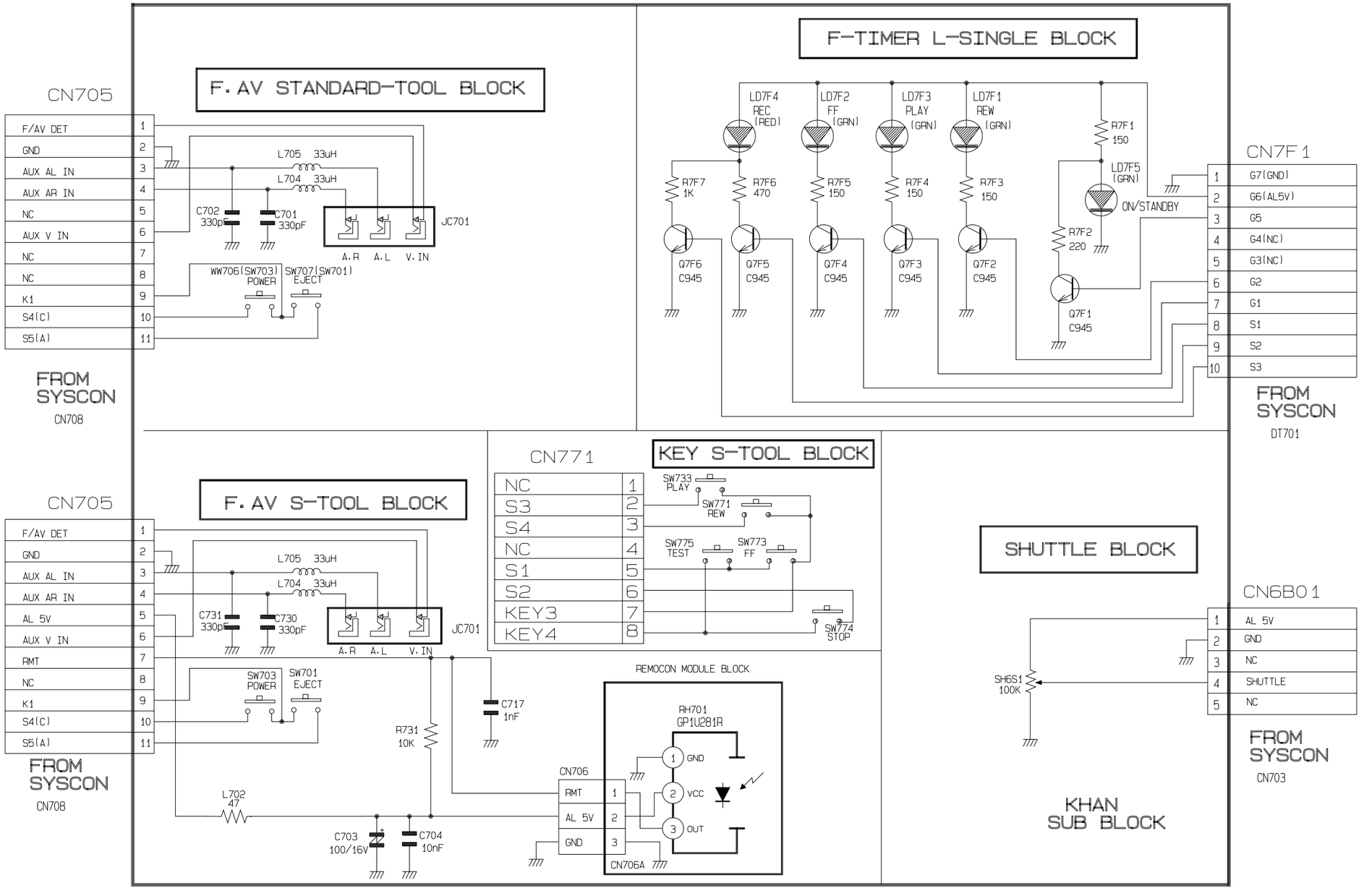
6-9 Input-Output (RCA Jack)



6-10 Sub (SVR-760/760B/760W Only)



6-11 Sub (Other Models)



MEMO